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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/802,735	03/18/2004	Yutaka Takafuji	1035-501	5007
23117 7590 01/03/2007 NIXON & VANDERHYE, PC 901 NORTH GLEBE ROAD, 11TH FLOOR			EXAMINER	
			TRAN, THIEN F	
ARLINGTON, VA	22203		ART UNIT	PAPER NUMBER
			2811	
<u> </u>				
SHORTENED STATUTORY PERIOD OF RESPONSE		MAIL DATE	DELIVERY MODE	
3 MONTHS		01/03/2007	PAPER	

Please find below and/or attached an Office communication concerning this application or proceeding.

If NO period for reply is specified above, the maximum statutory period will apply and will expire 6 MONTHS from the mailing date of this communication.

	Application No.	Applicant(s)				
	10/802,735	TAKAFUJI ET AL.				
Office Action Summary	Examiner	Art Unit				
,						
The MAILING DATE of this communication app	Thien F. Tran  nears on the cover sheet with the c	2811 orrespondence address				
Period for Reply						
A SHORTENED STATUTORY PERIOD FOR REPLY WHICHEVER IS LONGER, FROM THE MAILING DA  - Extensions of time may be available under the provisions of 37 CFR 1.13 after SIX (6) MONTHS from the mailing date of this communication.  - If NO period for reply is specified above, the maximum statutory period v  - Failure to reply within the set or extended period for reply will, by statute, Any reply received by the Office later than three months after the mailing earned patent term adjustment. See 37 CFR 1.704(b).	ATE OF THIS COMMUNICATION 36(a). In no event, however, may a reply be timused and will expire SIX (6) MONTHS from a cause the application to become ABANDONE.	N. nely filed the mailing date of this communication. D (35 U.S.C. § 133).				
Status						
1) Responsive to communication(s) filed on <u>04 December 2006</u> .						
·—	,					
, —	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is					
closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims						
4) Claim(s) <u>1,3-15,17-32 and 43-63</u> is/are pending in the application.						
4a) Of the above claim(s) 17-32 and 43-50 is/are withdrawn from consideration.						
5)⊠ Claim(s) <u>1,3-15,51-55,58,59,62 and 63</u> is/are allowed.						
6)⊠ Claim(s) <u>56,57,60 and 61</u> is/are rejected.		•				
7) Claim(s) is/are objected to.	r alastian raquirament					
8) Claim(s) are subject to restriction and/or election requirement.						
Application Papers						
9) ☐ The specification is objected to by the Examine	r.					
10) ☐ The drawing(s) filed on is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.						
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).						
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).						
11) The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.						
Priority under 35 U.S.C. § 119						
<ul> <li>12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).</li> <li>a) All b) Some * c) None of:</li> <li>1. Certified copies of the priority documents have been received.</li> <li>2. Certified copies of the priority documents have been received in Application No</li> <li>3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).</li> </ul>						
* See the attached detailed Office action for a list of the certified copies not received.						
Attachment(s)	A) 🔲 Intonious Summans	(PTO 413)				
1) Notice of References Cited (PTO-892)  4) Interview Summary (PTO-413)  Notice of Draftsperson's Patent Drawing Review (PTO-948)  Paper No(s)/Mail Date.						
3) Information Disclosure Statement(s) (PTO/SB/08)  Paper No(s)/Mail Date   5) Notice of Informal Patent Application 6) Other:						

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## **DETAILED ACTION**

## Continued Examination Under 37 CFR 1.114

A request for continued examination under 37 CFR 1.114, including the fee set forth in 37 CFR 1.17(e), was filed in this application after final rejection. Since this application is eligible for continued examination under 37 CFR 1.114, and the fee set forth in 37 CFR 1.17(e) has been timely paid, the finality of the previous Office action has been withdrawn pursuant to 37 CFR 1.114. Applicant's submission filed on 12/04/2006 has been entered.

## Specification

The title of the invention is not descriptive. A new title is required that is clearly indicative of the invention to which the claims are directed, a semiconductor device.

# Claim Rejections - 35 USC § 112

The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

Claims 56, 57, 60 and 61 are rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the written description requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to reasonably convey to one skilled in the relevant art that the inventor(s), at the time the application was filed, had possession of the claimed invention.

The recitation of the second silicon oxide film (131) substantially provided only in an area covered by the single-crystal silicon thin film (135) in claims 56 and 60 sets

forth a structure not supported by the original disclosure as filed. Applicant is requested to point out exactly wherein the application that discloses the features as claimed in claims 56 and 60. In fact, Figs. 1h and 8 show the second silicon oxide film (131) being provided in an area covered by the single-crystal silicon thin film (135) but also in an area not covered by the single-crystal silicon thin film (135).

The recitation of an area of the insulating substrate (110) covered by the single crystal silicon thin film (135) being essentially the same as an area of the insulating substrate (110) covered by the second silicon oxide film (131) in claims 57 and 61 sets forth a structure not supported by the original disclosure as filed. It is noted that the second silicon oxide film (131) occupies an area wider than an area of the single-crystal silicon thin film (135) as shown in Figs. 1h and 8. Therefore, the area of the insulating substrate (110) covered by the single crystal silicon thin film (135) being smaller than an area of the insulating substrate (110) covered by the second silicon oxide film (131). Applicant is requested to point out exactly wherein the application that teaches the features as claimed in claims 57 and 61.

# Allowable Subject Matter

Claims 1, 3-15, 51-55, 58-59, 62 and 63 are allowed.

## Conclusion

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Thien F. Tran whose telephone number is (571) 272-1665. The examiner can normally be reached on 8:30AM - 5:00PM Monday through Friday.

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If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Richard Elms can be reached on (571) 272-1869. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Men F ML Thien F Tran Primary Examiner Art Unit 2811

tt December 21, 2006